

ABSTRACT

**5 *LUTZOMYIA LONGIPALPIS POLYPEPTIDES AND METHODS OF USE POLYPEPTIDES
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Substantially purified salivary *Lu. longipalpis* polypeptides, and polynucleotides encoding these polypeptides are disclosed. Vectors and host cells including the *Lu. longipalpis* polynucleotides are also disclosed. In one embodiment, a method is disclosed for inducing an immune response to 10 sand fly saliva. In other embodiments, methods for treating, diagnosing, or preventing *Leishmaniasis* are disclosed.